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Sent: Wednesday, September 24, 2025 6:25 AM
To: Jeffery Devereux <Jeffery.Devereux@fcc.gov>
Subject: [EXTERNAL]: Reflect Orbital

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Hello,

I am respectfully requesting that Reflect Orbital and any affiliates thereof, be denied an FCC license for which the purpose is to place satellites in space to reflect sunlight to areas for customer or otherwise, for the illumination of solar power, during “night time” hours.

There is no doubt that surround crops, even if not within the column of reflected light, will be impacted. Contrary to Reflect Orbital's statements, the reflected light will be spread from a process known as Rayleigh scattering. Furthermore, reflected light is not just light, it is radiation. This was pointed out in Reflect Orbital's explanation video. This radiation brings with it heat, which will raise the temperature of air within the light reflected area. However, the raised air temperature will not stay within the column of reflected light because thermal inversions, atmospheric turbulence and drift will spread these raised temperatures far and wide. There is much documentation available outlining the importance of night time darkness and accompanying cooler temperatures for plants to fully develop. This can and will have a negative effect of the yield potential of crops.

Also affected would be wildlife, migratory birds, aquatic life along with possible health risk to animal and human life. Light pollution is at an all-time high, and this would increase that by huge amounts. I have forty-three years of crop production experience and it is my opinion that this will open the door for many lawsuits of crop damage.

Thank you for your time and attention.

Regards,

Russell Rabiuss